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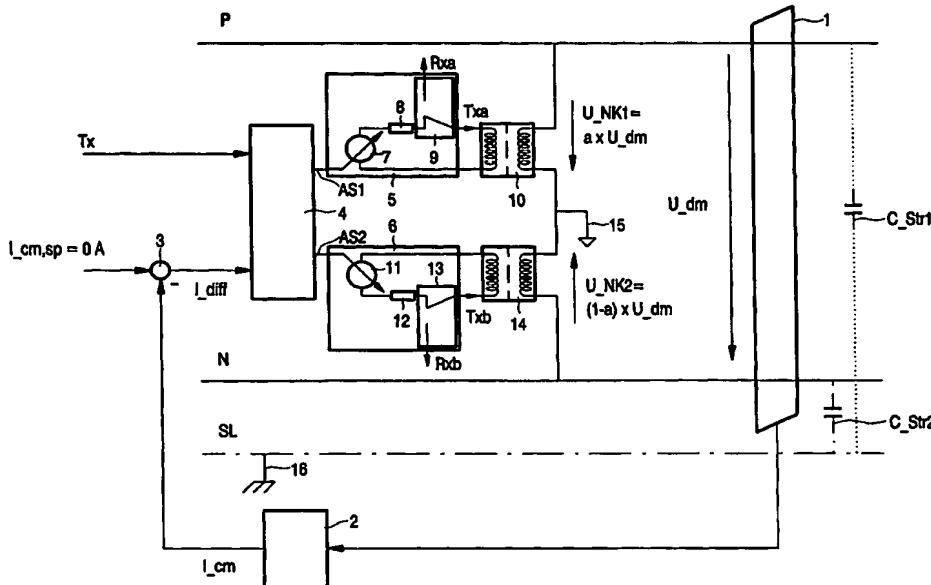
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(54) Title: **METHOD AND DEVICE FOR REDUCING COMMON MODE SIGNAL IN POWER LINE COMMUNICATION SYSTEM**



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(57) Abstract: In a wire-bound network which comprises unshielded lines such as power supply lines, electromagnetic radiation is produced when transmitting data above the mains frequency. The device according to the invention comprises active means for reducing or eliminating the common-mode current (I_{cm}). To this end, these active means generate an artificial dissymmetry which is complementary to that of the network and is measured continuously or periodically.



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